

METHOD AND SYSTEM FOR MAPPING ADDRESSING OF SCSI  
DEVICES BETWEEN STORAGE AREA NETWORKS

ABSTRACT OF THE INVENTION.

The present invention provides a method and system  
for mapping addressing of SCSI devices between two SANs  
5 connected by a SAN extender over a packet-based network  
with use of a Fibre channel protocol over large  
distances. The present invention seamlessly  
interconnects graphically distinct SANs such that they  
operate as if they were local to one another by  
10 providing a means to generically and dynamically map  
SCSI device addresses between two SANs. The present  
invention provides a method and system for accessing a  
device from a host, wherein the host and device are in  
separate SANs interconnected by a transport layer, and  
15 wherein the interface between said transport layer and  
each of said SANs is a node. This method comprises, at  
each node, the steps of: mapping the device address  
into an intermediary device identifier, and mapping the  
intermediary device identifier into an address  
20 accessible by the host. Each node can be a Fibre  
channel-to-SCSI router, and the intermediary device  
identifier can comprise a node identifier and a generic  
device identifier. The transport layer can be a  
packet-based network.